

Mouse EPCAM (Epithelial Cell Adhesion Molecule) ELISA Kit | EPCAM elisa kit

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CATALOG #
AAA277895

REACTIVITY
Mouse

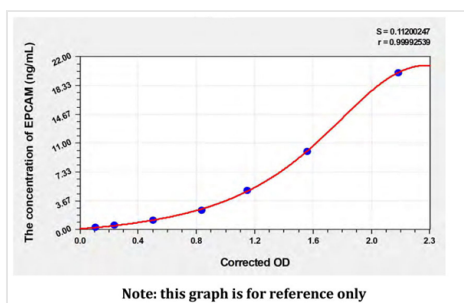
PRODUCT SYNONYMS

EPCAM (Epithelial Cell Adhesion Molecule); Mouse EPCAM (Epithelial Cell Adhesion Molecule) ELISA Kit; Egg314; EpCAM1; gp40; EGP-2; TROP1; EGP; Tacsd1; Ly74; GA733-2; Ep-CAM; CD326; Tacstd1; EPCAM elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Mouse EPCAM. No significant cross-reactivity or interference between Mouse EPCAM and analogues was observed.
Assay Type	Sandwich
Detection Range	0.32-20 ng/mL
Sensitivity	0.15 ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay)? CV% < 8%. Three samples of known concentration were tested twenty times on 1 plate to assess intra-assay precision.
Inter-assay Precision	Inter-assay Precision (precision between assays)? CV% < 10%. Three samples of known concentration were tested in forty separate assays to assess inter-assay precision.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for EPCAM elisa kit

Principle of the Assay: The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Mouse EPCAM. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Mouse EPCAM. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Mouse EPCAM, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Mouse EPCAM in the samples is then determined by comparing the OD of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	112293275
NCBI GeneID	17075
NCBI Accession #	NP_032558.2
NCBI GenBank Nucleotide #	NM_008532.2
UniProt Accession #	Q99JW5; Q61512
Molecular Weight	35,019 Da
NCBI Official Full Name	epithelial cell adhesion molecule
NCBI Official Synonym Full Names	epithelial cell adhesion molecule
NCBI Official Symbol	Epcam
NCBI Official Synonym Symbols	EGP; Ly74; gp40; CD326; EGP-2; TROP1; Egp314; Ep-CAM; EpCAM1; Tacstd1; GA733-2; Tacstd1
NCBI Protein Information	epithelial cell adhesion molecule; mEGP314; protein 289A; Trop-1 protein; lymphocyte antigen 74; epithelial glycoprotein 314; panepithelial glycoprotein 314; tumor-associated calcium signal transducer 1
UniProt Protein Name	Epithelial cell adhesion molecule
UniProt Gene Name	Epcam
UniProt Synonym Gene Names	Tacstd1; Ep-CAM; EGP314; mEGP314
UniProt Entry Name	EPCAM_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/epcam-epithelial-cell-adhesion-molecule/277895>